

-1- (JAPIO)

ACCESSION NUMBER	85-146456
TITLE	ZINC ALKALINE BATTERY
PATENT APPLICANT	(2000582) MATSUSHITA ELECTRIC IND CO LTD
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PATENT NUMBER	85.08.02 J60146456, 85-146456
APPLICATION DETAILS	84.01.06 84JP-000972; 59-972
SOURCE	85.12.06 SECT. E, SECTION NO. 364; VOL. 9, NO. 310, PG. 139.
INT'L PATENT CLASS	H01M-004/42; C22C-018/00
JAPIO CLASS	42.9 (ELECTRONICS--Other); 12.2 (METALS--Metallurgy Heat Treating); 12.3 (METALS--Alloys)
FIXED KEYWORD CLASS	R057 (FIBERS--Non-woven Fabrics)
ABSTRACT	<p>PURPOSE: To obtain a high-capacity zinc alkaline battery containing only a small amount of mercury by using as the negative active material a powder prepared by amalgamating an alloy principally composed of zinc and containing Ga and Tl.</p> <p>CONSTITUTION: A powder prepared by amalgamating an alloy (Zn-Ga-Tl) powder principally composed of Zn and containing Ga and Tl, is used as an active material for a negative electrode 5. It is preferable that the above powder be prepared by performing amalgamation by a wet method by dropping Hg into KOH solution of 30% concentration containing the alloy powder while stirring it to coat the surfaces of the alloy particles with Hg, followed by washing the amalgamated powder with water before drying the powder.</p>